

Abstract

The invention relates to a dispersion flattened fiber (DFF) with high negative dispersion and a manufacturing method thereof. The dispersion flattened fiber comprises a
5 central core; ring-type cores and low refractive regions alternately formed outside the central core; a cladding surrounding outside the ring-type cores and low refractive regions; and a coating outside the cladding. Since the
10 dispersion flattened fiber has the dispersion of -20 to -60, it has a wide range of application and can be used for various purposes in the field of optical telecommunication.